

ABSTRACT OF THE DISCLOSURE

An ADSL modem apparatus is provided that accurately obtains a communication distance to an opposing ADSL modem apparatus, and that enables ADSL communication in an area exceeding the communication distance conventionally used. In the ADSL modem apparatus, a transmitter-receiver transmits and receives a carrier specified by a communication standard in a handshake procedure, and a processor estimates a communication distance to an opposing ADSL modem apparatus in accordance with a reception level of the carrier.